

**Amendments to the Specification:**

Please replace the paragraph beginning on page 8, line 17, with the following rewritten paragraph:

The present invention also relates to a holographic multiplex recording method for multiplex-recording information as a hologram on a holographic recording medium using interference fringes of an object beam and a reference beam, into which a laser beam is split. In the process of multiplex-recording the information, the method allows the time of exposure to the laser beam per data page and the laser output power to be kept constant. The method also allows a spatial light modulator having a plurality of pixels for intensity modulation of the object beam to be used to increase the number of pixels of the spatial light modulator that are allocated to one bit of the information in accordance with a decrease in recording sensitivity of the holographic recording medium. This can ~~solvessolve~~ the same aforementioned problems.

Please replace the Abstract with the attached amended Abstract.